

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : THE COMMISSIONER IS AUTHORIZED  
Satoshi SHIDA et al. : TO CHARGE ANY DEFICIENCY IN THE  
Serial No. NEW : FEE'S FOR THIS PAPER TO DEPOSIT  
Filed March 22, 2004 : ACCOUNT NO. 23-0975

Serial No. NEW : **Attn: APPLICATION BRANCH**

Filed March 22, 2004 : Attorney Docket No. 2004\_0426

METHOD AND APPARATUS FOR HANDLING  
ARRAYED COMPONENTS

**(Rule 1.53(b) Divisional  
of Serial No. 10/069,401,  
Filed February 26, 2002)**

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**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on the attached Form PTO-1449. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for each U.S. Patent and U.S. Patent application publication (*for U.S. National applications filed after June 30, 2003 and International applications that have entered U.S. National Stage after June 30, 2003*), further, a copy is not provided for each reference previously cited by or submitted to the Patent Office in prior parent application Serial No. 10/069,401.

1a.  This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

- 1b.  This Information Disclosure Statement is submitted after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:
  - (1)  the certification of paragraph 2 below is provided, **or**
  - (2)  the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.
  
- 1c.  This Information Disclosure Statement is submitted: after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and**

**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**
  
2. It is hereby certified
  - a.  that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
  - b.  that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.
  
3.  Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:

- a.  a full or partial English language translation submitted herewith,
- b.  a foreign patent office search report (in the English language) submitted herewith for references **AA-AB**,
- c.  the concise explanation contained in the specification of the present application at page ,
- d.  the concise explanation set forth in the attached English language abstracts (previously cited in an IDS filed February 26, 2002),
- e.  the concise explanation set forth below or on a separate sheet attached to the reference:

References **AM** and **AN** (i.e. Japanese Unexamined Patent Publication No. 4-63442 and Japanese Unexamined Patent Publication No. 9-283983) are cited in the Written Opinion which was previously filed with the PTO on February 26, 2002).

5.  A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Satoshi SHIDA et al.

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March 22, 2004

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: March 22, 2004

ATTY DOCKET NO.  
2004\_0426SERIAL NO.  
NEWAPPLICANT  
Satoshi SHIDA et al.FILING DATE  
March 22, 2004

GROUP

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,627,787	12/1986	Bond et al.			
	AB	4,749,329	6/1988	Stout			
	AC	6,461,938	10/2002	Nakabayashi			
	AD	5,362,681	11/1994	Roberts et al.			
	AE	6,482,677	11/2002	Sato et al.			
	AF	6,171,933	1/2001	Xu et al.			
	AG	2003/0060021	3/2003	Kurosawa et al.			
	AH						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AI	60-161630	8/1985	JP			Abstr. <input type="checkbox"/>
	AJ	10-270532	10/1998	JP			Abstr. <input type="checkbox"/>
	AK	11-8259	1/1999	JP			Abstr. <input type="checkbox"/>
	AL	7-221164	8/1995	JP			Abstr. <input type="checkbox"/>
	AM	4-63442	2/1992	JP			Abstr. <input type="checkbox"/>
	AN	9-283983	10/1997	JP			Abstr. <input type="checkbox"/>
	AO	45-29862	9/1970	JP			X <input type="checkbox"/>

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	AP	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 137692/1986 (Laid-open No. 42506/1988) (NEC Corporation), 22 March 1988.
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DATE CONSIDERED